Notebook, N-05-12-21

2 2a no dis

3 good solvent 3a no dis

5 very good dis - 5a dont seem dis any

7 7a Colored

8 dis a little - 8a solid swells up enormous
& comes out top bottle - see about this.

9 - 9a neither dis

11. 11A neither dis

12 dis good 12a dont dis

Solubility of Dec 21/05
Cobalt and Nickel Sulphates
in.

No 1 } Chloroform
Ni 1a
Co 2 } CS_2 done.
Ni 2a
✓ 3 } Ether done,
3a
4 } Allylic Alcohol
4a
✓ 5 } Butylic "
5a
6 } Amyl Nitrate
6a
✓ 7 } Aniline (colour black) ,
7a
✓ 8 } Benzaldehyde ,
8a
✓ 9 } Nitro Benzole ,
9a
✓ 10 } Carbolic Acid
10a
✓ 11 } Benzoyl Chloride ✓
11a
✓ 12 } aldehyde done .
12a

13 13a neither dis

14 14a good dis both

15 15a no dis

16 16a good dis

17 17a no dis. 17 goes solid whereas 17a liquid

19 19a no dis

20 20a no dis

21-a- Colored think no dis

23 23a ~~no dis~~ dis a little, 23 don't dis

25 25a no dis

✓ 13 co
13a mi > Butyl (iso) Acetate.

✓ 14 co
14a mi > Camphor

✓ 15
15a > Carbon Tetra Chloride

✓ 16
16a > Chloral Hydrate

✓ 17
17a > Cresol (Para)

18
18a > " (Meta)

✓ 19
19a > Cumol

✓ 20
20a > Eucalyptol

✓ 21
21a > Toluidine

22
22a > Mono chloro Benzol

✓ 23
23 > " Bromo " mono

24
24 > Napthalin

✓ 25
25 > oil Amber

26 26a precip - big swell in both.

27 27a both good dis

28 28a dont dis

29 29a - dont dis

30 30a both dis

31 - colored

32 dis fair. think 32a dis some can't say

33 33a - 33 dis fair - 33a dont dis

34 34a neither dis

35 35a neither dis

36 36a neither dis

37 37a - 37 dis red 37a dis

38 38a both dis

39 39a Colored Liq

✓ 26 26 > Pyridine

✓ 27 27 > Alcohol Propylic

✓ 28 28 > Castor Oil

✓ 29 29 > Oil Hemlock

✓ 30 30 > Acid Mono bromacetic

✓ 31 31 > Amyl Iodide

✓ 32 32 > Oil Fusel

✓ 33 33 > Amylene Hydrate

✓ 34 34 > Terbene

✓ 35 35 > Terpinol

✓ 36 36 > Terpineol

37 37 > Formaldehyde

✓ 38 38 > Silva dop (Thin)

✓ 39 39 > Creosote (Beechwood)

40 40a neither dis

41 41a Colored liq

42 42a neither dis

43a dont dis

44 44a both dis

45 dis red 45a dont dis

46 46a neither dis

47 a little dis 47a not dis

48 Enormously swelled 48a not swelled at all no dis

49 49a Colored liquid

50 50a neither dis

51 51a neither dis

52 dis 52a dont dis except a little & [illegible]

53 53a neither dis

40 40 > Styrol ✓

✓ 41 41 > Isobutylbromide ✓

✓ 42 42 > Corn Oil ✓

✓ 43 43 > methyl Oxid Salicylic ([illegible])

✓ 44 44 > Aether Acetic ✓

✓ 45 45 > " Salicylic ✓

✓ 46 46 > " Benzoic ✓

47 47 > " Succinic ✓

48 48 > Di Amyl Amine ✓

49 49 > apiol ✓

50 50 > anisol ✓

51 51 > Aether Oenanthic ✓

52 52 > amyl Oxid Butyric ✓

53 53 > Benzene Anthracene ✓

54 54 a neither ~~both~~ dis ~~bottle~~.

56 56a Sol colored

57 57a Sol Colored cant see of dis

58 58a neither dis

59:a good dis – 59 - good but red

60 60a both dis good

61 61a apparently neither dis

62 62a neither dis

63 63a 63 dis considerably 63 a apparently none dis

64 dis some 64a dont dis apparently

65a slight dis. no 65

66 66a 66 slight dis 66a Cant see any dis

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54 54 > Methyl Oxid. Benzoic ✓

55 55 > Acetal

56 56 > Aethyl Aniline ✓

57 57 > Methyl diphenylamine ✓

58 58 > Carbon Bi chloride ✓

59 59 > Hydroxylamine Hydrochlorate ✓

60 60 > Nitro Aether ✓

61 61 > Mono Chloro phenol ✓

62 62 > Iso butyl iso butylat ✓

63 63 > Aether Oxalic ✓

64 64 > Amyl Oxid Formic ✓ not enough

65 65 > Hypnon not enough

66 66 > Amyl Butyrate

67 67a precips swells both ups enormously

68a good dis 68 ditto

70a - dont disc no 70

72 72a Dont dis

73 73a both good dis -

74 74a good dissolves both.

75 75a Colored cant say of dis

76 77a - Dont dis -

77 77a 77 dis considerably but red 77a scarcely any dis

78 78a both slightly -

79 79a dont dis

✓ 67 67 > Tri methyl Amine

✓ 68 68 > Ethylene Mono Acetate

✓ 69 69 > " Chlorohydrate not enough

✓ 70 70 > Ether Propionic not enough

71 71 > Acetal not enough

✓ 72 72 > Gasolene

✓ 73 73 > Ethyl Alcohol

✓ 74 74 > Methyl " absolute

✓ 75 75 > Styrone (Liquid)

✓ 76 76 > Isobutyl Aldehyde

✓ 77 77 > Methyl Salicylate

✓ 78 78 > Ethylene Chloride

✓ 79 79 > Isobutyl nitrate

80 80a both dissolves a little

81 81a precipitates. swells up enormously

Both dissolve - Co Red.

---

80 80 > Papusin

81 81 > Picolin

82 82 > Isopropyl Citric

83 83 > Xylidine

84 84 > Naphthaline Monobromid (alpha)

85 85 > Methylene Iodide

86 86 > Quinolin

87 87 > Oil Pennyroyal

88 88 > Fireweed

89 89 > Lavander

90 90 > Juniper Berries

91 91 > Pear

92 92 > Rosemary

101 Co dissolves slightly colored

104 Co dissolves slightly

93 > Peppermint Oil
93
94 > Oil Orange
94
95 > " Same
95
96 > " Wormseed
96
97 > Horsemint
97
98 > Cedrat
98
99 > Wormwood
99
100 > Fennel
100
101 Wintergreen ✓
101a
102 Jasmine
102a
103 (Pepper (Black too thick)) Thyme
103a
104 Eucalyptus ✓
104a
105 Birch
105a
106 Mace
106a

157 Strant
158 Pb
159
160
161 Chloride Aluminum
162 [illegible]
163
164
165
166 Arsenates K Potassium
167 (Arseniate) Na Sodium
168
169
170
171 Arsenites K
172 (Arsenicic) NH_4 ammonium
173
174
175
176 Arsenides
177
178
179
180
181
182 Cyanates Mg (sulfo)